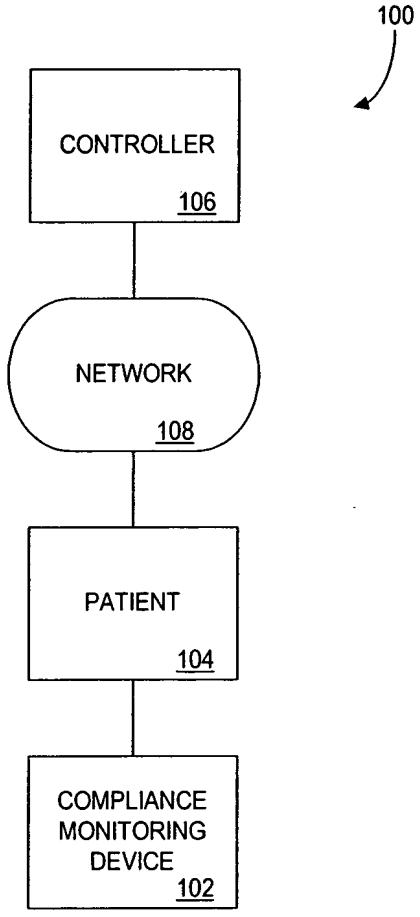
100
CONTROLLER
106
NETWORK
108
PATIENT
104
COMPLIANCE
MONITORING
DEVICE
102

FIG. 1A

000E90 ZT060960

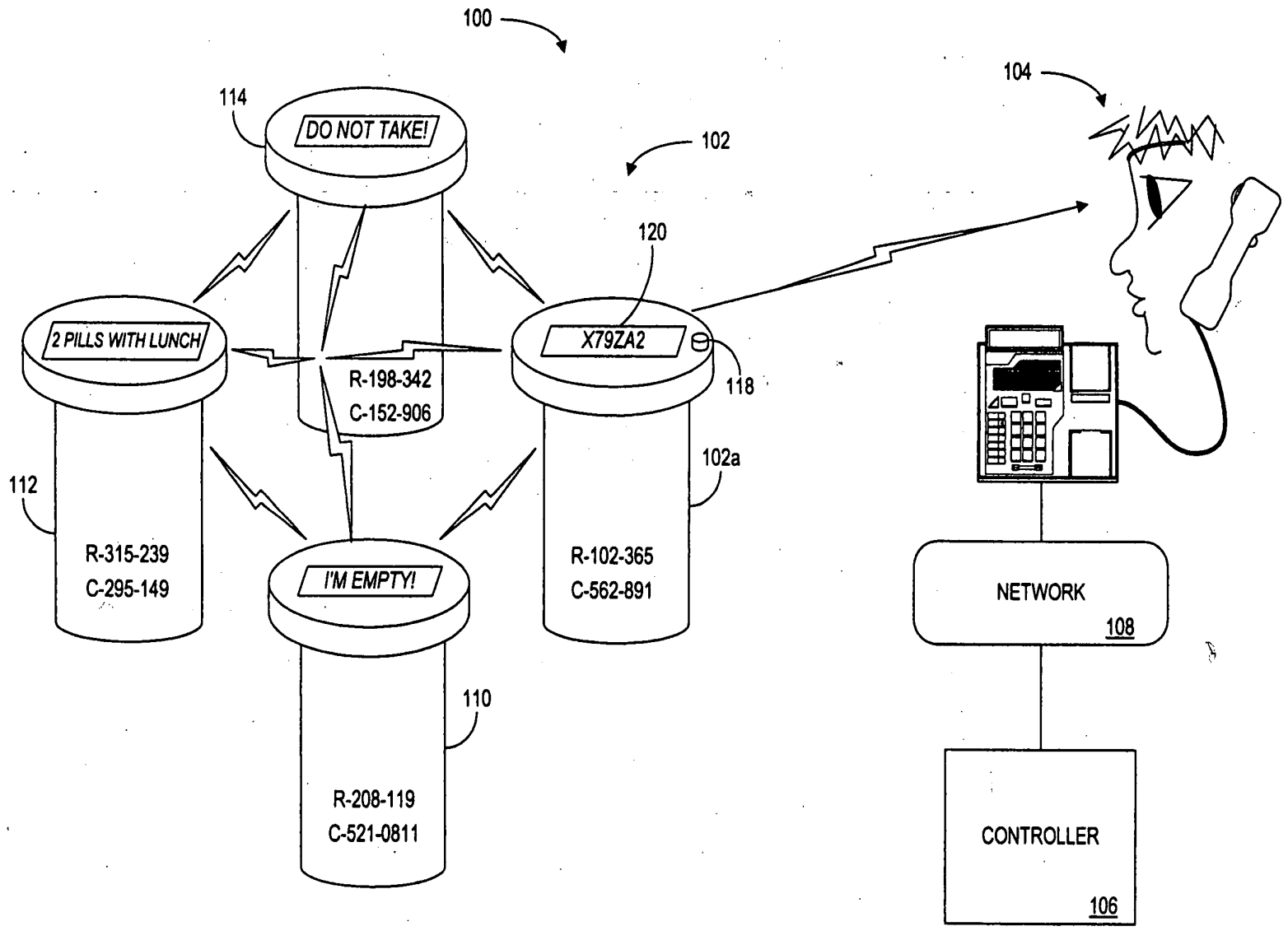

FIG. 1B

000690 2706960

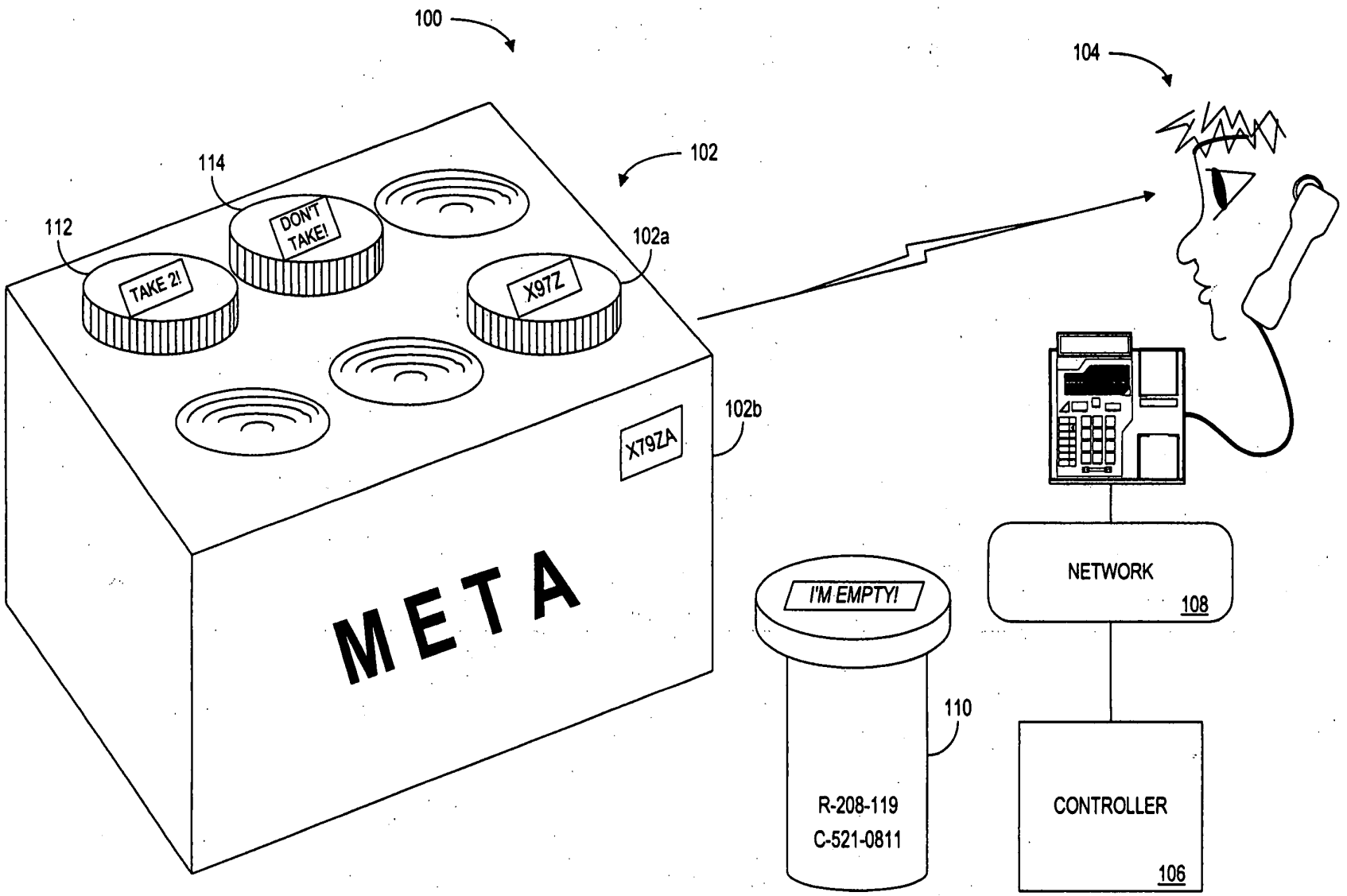

FIG. 1C

000690 2T060960

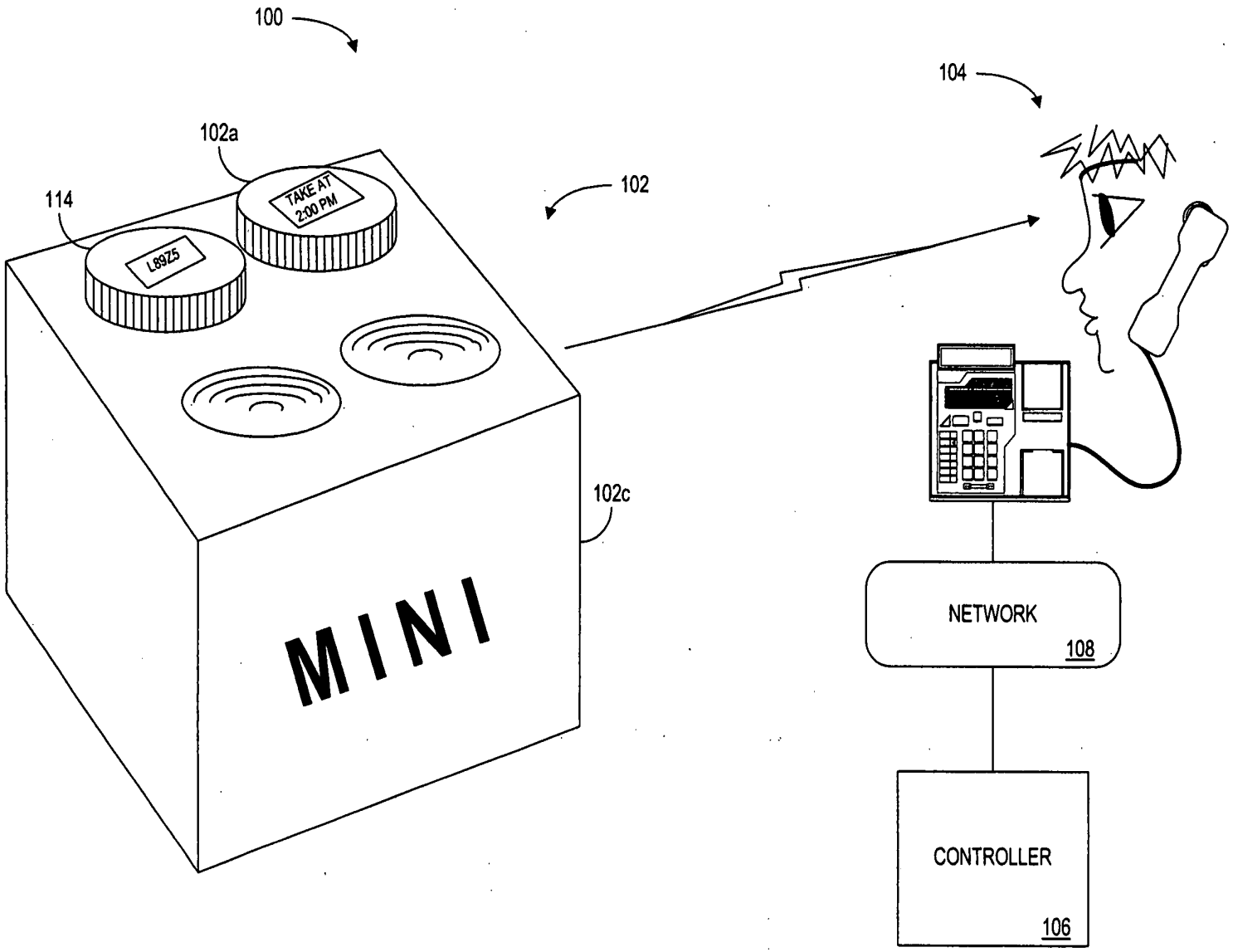

FIG. 1D

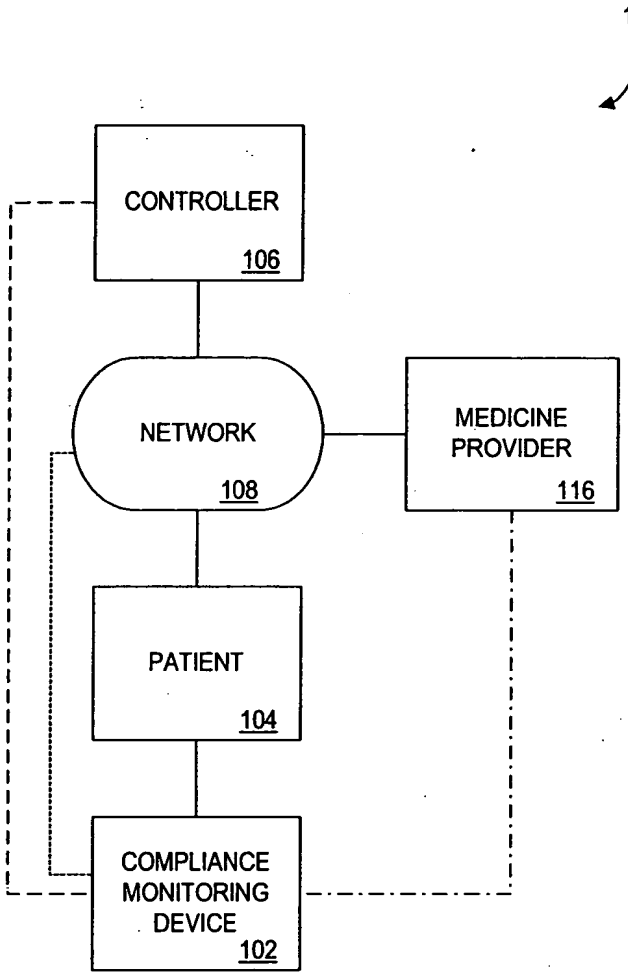
100
CONTROLLER
106
NETWORK
108
MEDICINE
PROVIDER
116
PATIENT
104
COMPLIANCE
MONITORING
DEVICE
102

FIG. 1E

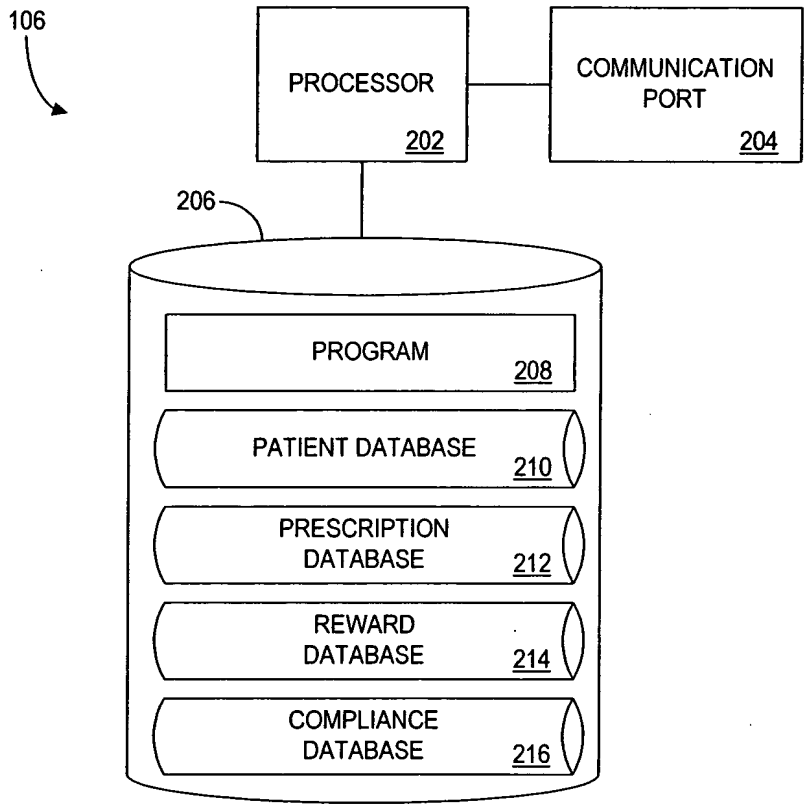
106
PROCESSOR
202
COMMUNICATION PORT
204
206
PROGRAM
208
PATIENT DATABASE
210
PRESCRIPTION DATABASE
212
REWARD DATABASE
214
COMPLIANCE DATABASE
216

FIG. 2

000690 2T060960

210

	PATIENT ID 308	NAME 310	ADDRESS 312	TELEPHONE NUMBER 314	PHYSICIAN 316	REWARD PROGRAM 318
302	P-123-45-6789	JANE DOE	115 MAIN ST. SPRINGFIELD, USA	(203) 325-0895	BENJAMIN SPOCK	YES
304	P-111-22-3333	JACK FROST	21 JUMP ST. NOWHERE, USA	(415) 925-9331	ROBERT LIVINGSTONE	NO
306	P-321-12-3443	SAM SPADE	13 ELM ST. GOTHAM, USA	(501) 629-0888	ELIZABETH BLACKWELL	YES

FIG. 3

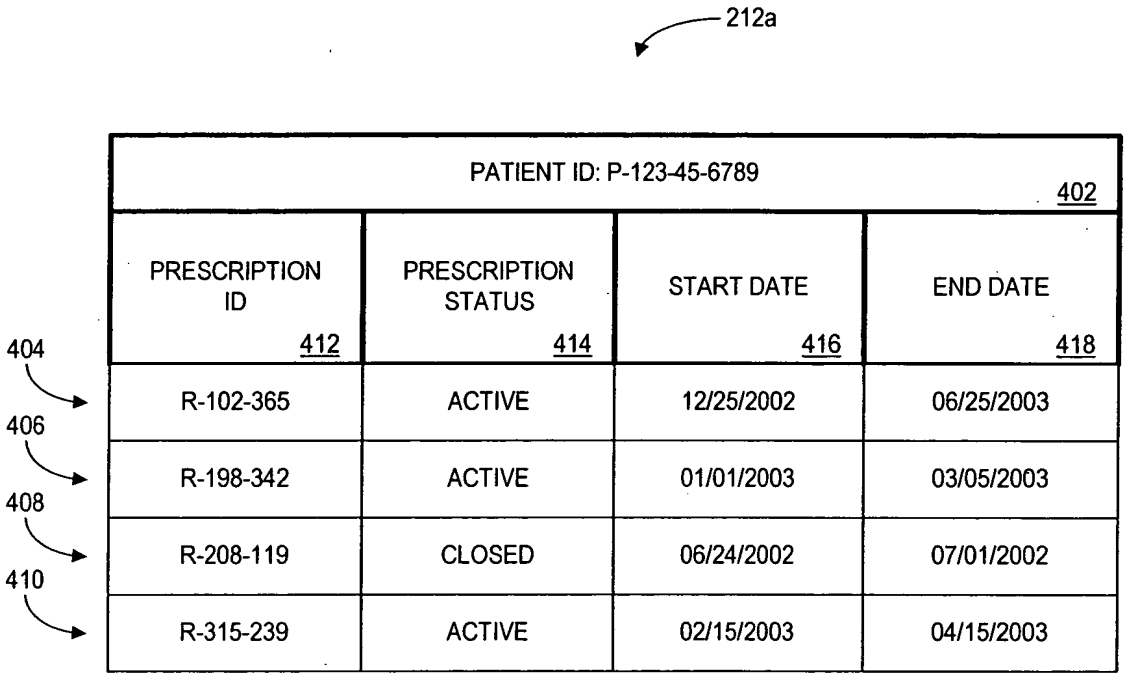
212a
PATIENT ID: P-123-45-6789
402
PRESCRIPTION ID
412
PRESCRIPTION STATUS
414
START DATE
416
END DATE
418
404
R-102-365
ACTIVE
12/25/2002
06/25/2003
406
R-198-342
ACTIVE
01/01/2003
03/05/2003
408
R-208-119
CLOSED
06/24/2002
07/01/2002
410
R-315-239
ACTIVE
02/15/2003
04/15/2003

FIG. 4

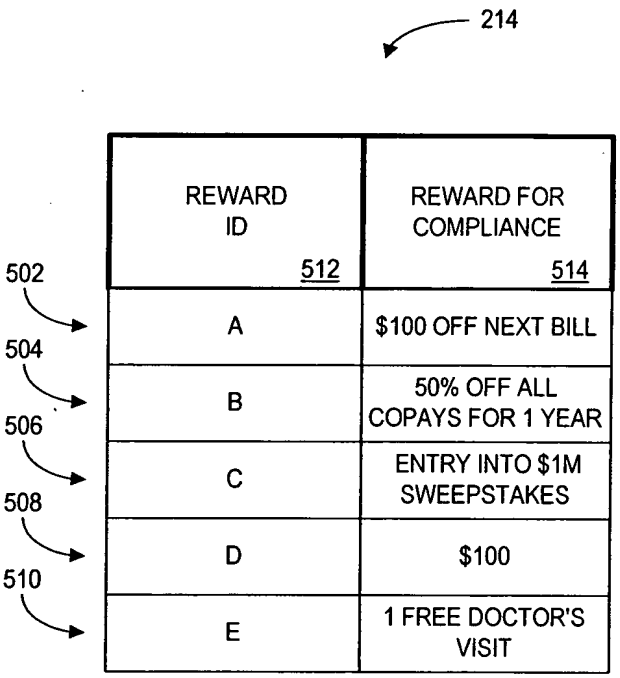
214
REWARD ID
512
REWARD FOR COMPLIANCE
514
502
A
$100 OFF NEXT BILL
504
B
50% OFF ALL COPAYS FOR 1 YEAR
506
C
ENTRY INTO $1M SWEEPSTAKES
508
D
$100
510
E
1 FREE DOCTOR'S VISIT

FIG. 5

216

	PATIENT ID 608	TIME CODE DUE 610	TIME CODE RECEIVED 612	CODE STATUS 614	REWARD ID 616
602	P-123-45-6789	02/15/2003 23:59	02/15/2003 20:15	95% COMPLIANCE	D
604	P-321-12-3443	02/16/2003 12:00	--	NOT YET DUE	C
606	P-235-71-1131	02/14/2003 23:59	--	OVERDUE 0% COMPLIANCE	A

FIG. 6

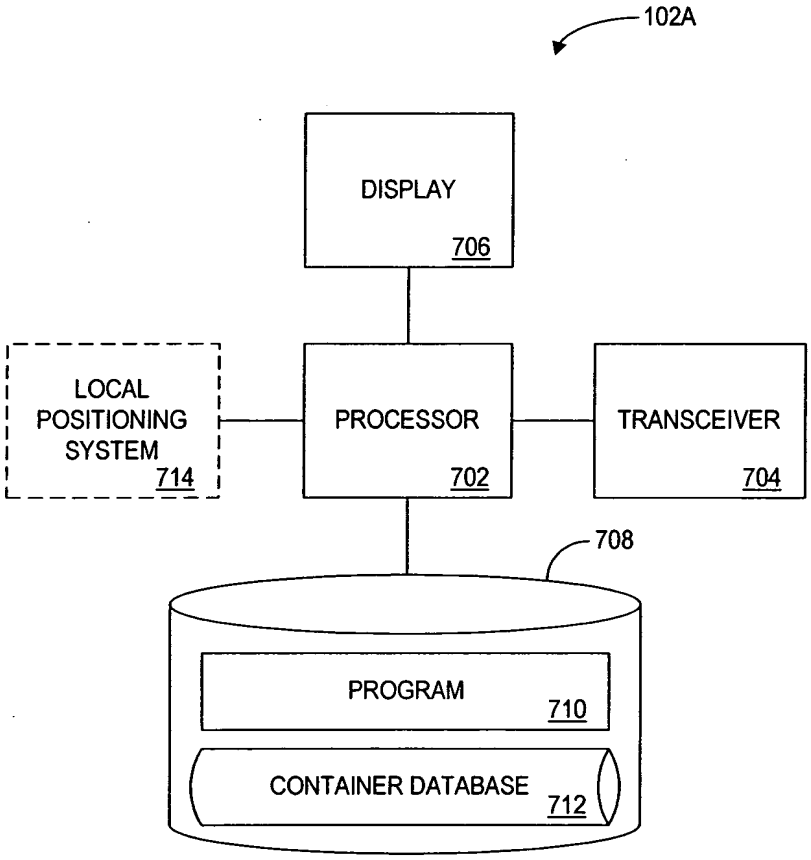
102A
DISPLAY
706
LOCAL
POSITIONING
SYSTEM
714
PROCESSOR
702
TRANSCEIVER
704
708
PROGRAM
710
CONTAINER DATABASE
712

FIG. 7A

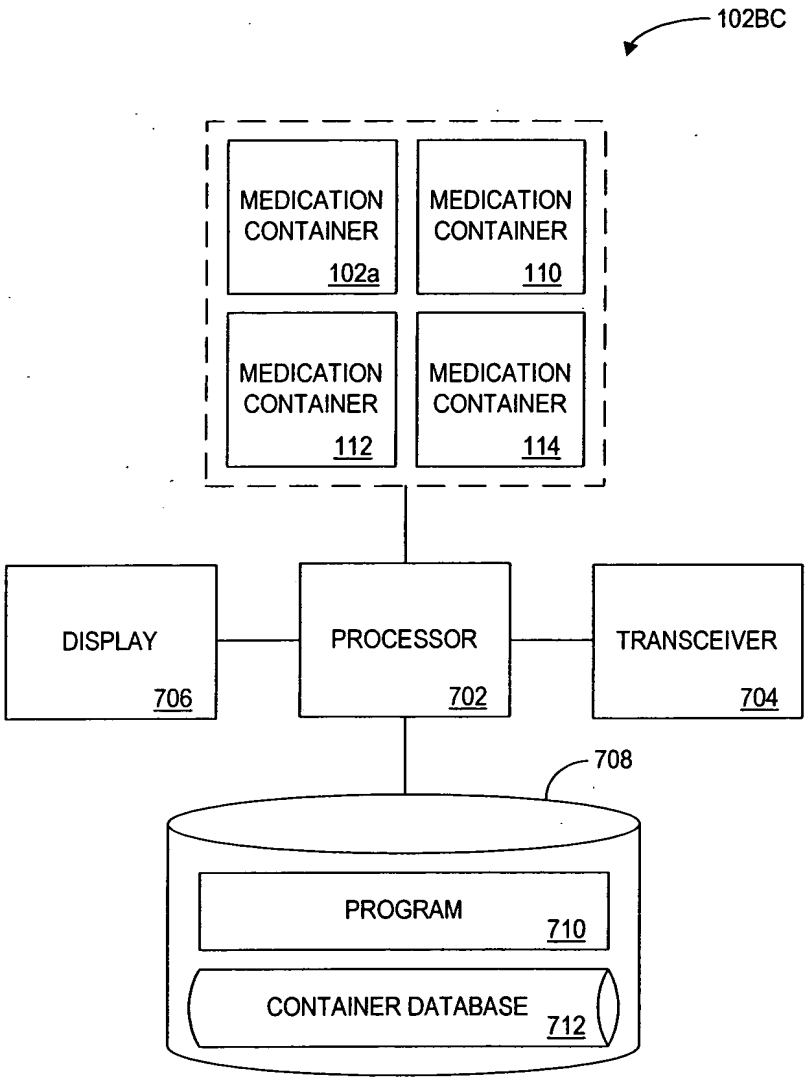
102BC
MEDICATION CONTAINER 102a
MEDICATION CONTAINER 110
MEDICATION CONTAINER 112
MEDICATION CONTAINER 114
DISPLAY 706
PROCESSOR 702
TRANSCEIVER 704
708
PROGRAM 710
CONTAINER DATABASE 712

FIG. 7B

000690 2T060960

712a

PATIENT ID: P-123-45-6789						802
CONTAINER ID: C-562-891						804
PRESCRIPTION ID: R-102-365						806
PRESCRIPTION RULES: ONE PILL TO BE TAKEN 3 TIMES A DAY AT 6 HOUR INTERVALS						808
START TIME: 02/15/2003 00:00			END TIME: 02/15/2003 23:59			810

	CONTAINER ID 828	PRESCRIPTION ID 830	RULES 832	RULES COMPLIANCE 834	PROXIMITY START TIME 836	PROXIMITY END TIME 838	PROXIMITY COMPLIANCE 840
812							
814	C-152-906	R-198-342	-2 HOURS	100%	02/15/2003 00:00	02/15/2003 08:00	100%
816	C-152-906	R-198-342	-2 HOURS	100%	02/15/2003 08:05	02/15/2003 14:00	100%
818	C-152-906	R-198-342	-2 HOURS	100%	02/15/2003 14:30	02/15/2003 16:00	85%
820	C-295-149	R-315-239	--	N/A	02/15/2003 15:45	02/15/2003 20:00	100%
822	C-152-906	R-198-342	-2 HOURS	100%	02/15/2003 16:05	02/15/2003 20:00	85%
824	C-152-906	R-198-342	--	N/A	02/15/2003 20:10	02/15/2003 23:59	85%
826	C-295-149	R-315-239	+2 HOURS	100%	02/15/2003 20:10	02/15/2003 23:59	100%
	C-521-0811	R-208-119	--	N/A	--	--	N/A

FIG. 8

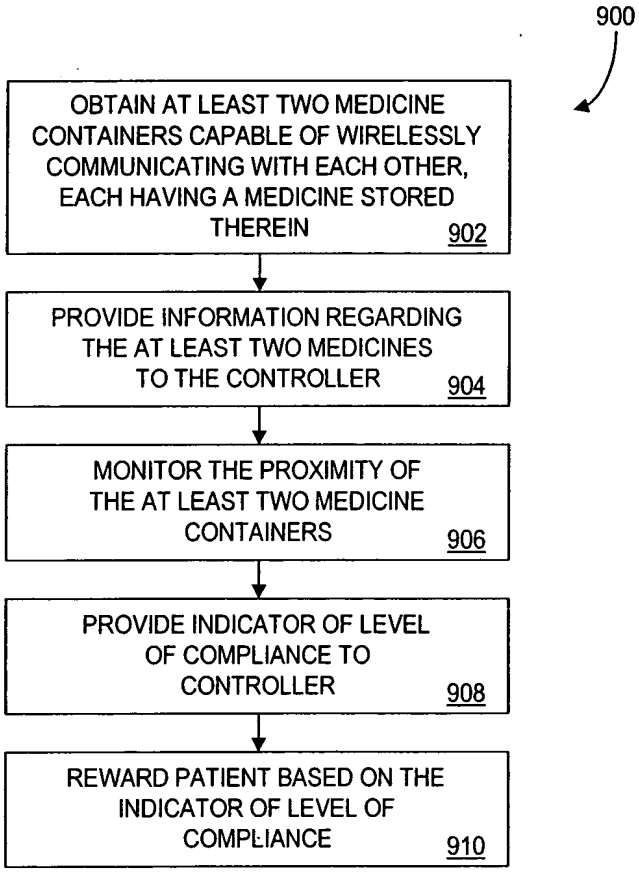
900
OBTAIN AT LEAST TWO MEDICINE CONTAINERS CAPABLE OF WIRELESSLY COMMUNICATING WITH EACH OTHER, EACH HAVING A MEDICINE STORED THEREIN 902
PROVIDE INFORMATION REGARDING THE AT LEAST TWO MEDICINES TO THE CONTROLLER 904
MONITOR THE PROXIMITY OF THE AT LEAST TWO MEDICINE CONTAINERS 906
PROVIDE INDICATOR OF LEVEL OF COMPLIANCE TO CONTROLLER 908
REWARD PATIENT BASED ON THE INDICATOR OF LEVEL OF COMPLIANCE 910

FIG. 9

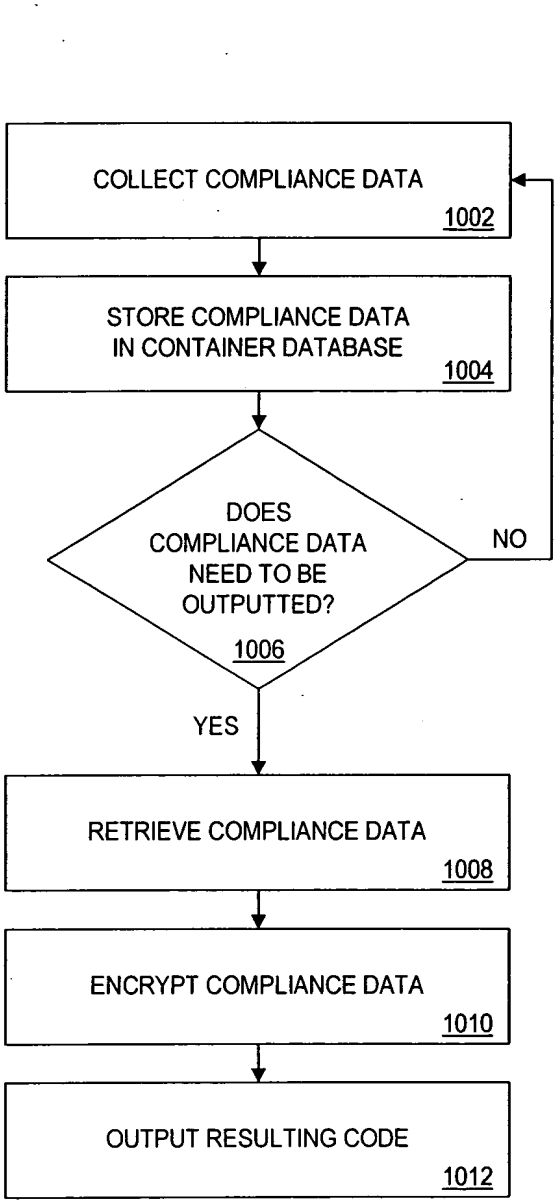
1000
COLLECT COMPLIANCE DATA
1002
STORE COMPLIANCE DATA IN CONTAINER DATABASE
1004
DOES COMPLIANCE DATA NEED TO BE OUTPUTTED?
1006
NO
YES
RETRIEVE COMPLIANCE DATA
1008
ENCRYPT COMPLIANCE DATA
1010
OUTPUT RESULTING CODE
1012

FIG. 10

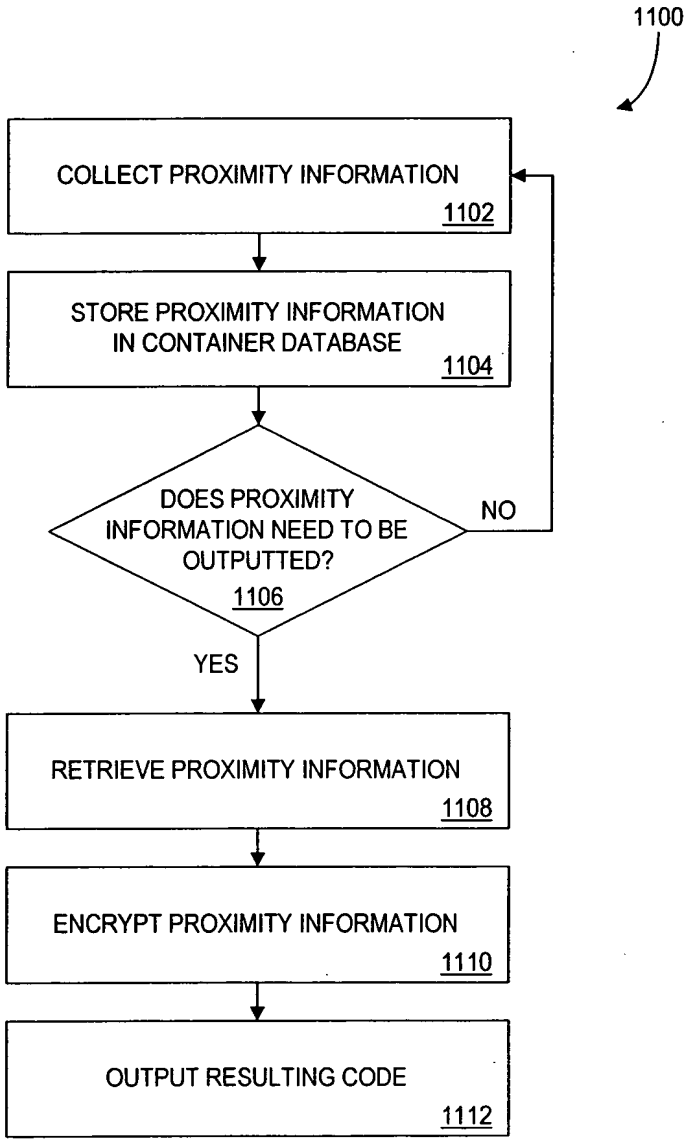
1100
COLLECT PROXIMITY INFORMATION
1102
STORE PROXIMITY INFORMATION IN CONTAINER DATABASE
1104
DOES PROXIMITY INFORMATION NEED TO BE OUTPUTTED?
1106
NO
YES
RETRIEVE PROXIMITY INFORMATION
1108
ENCRYPT PROXIMITY INFORMATION
1110
OUTPUT RESULTING CODE
1112

FIG. 11

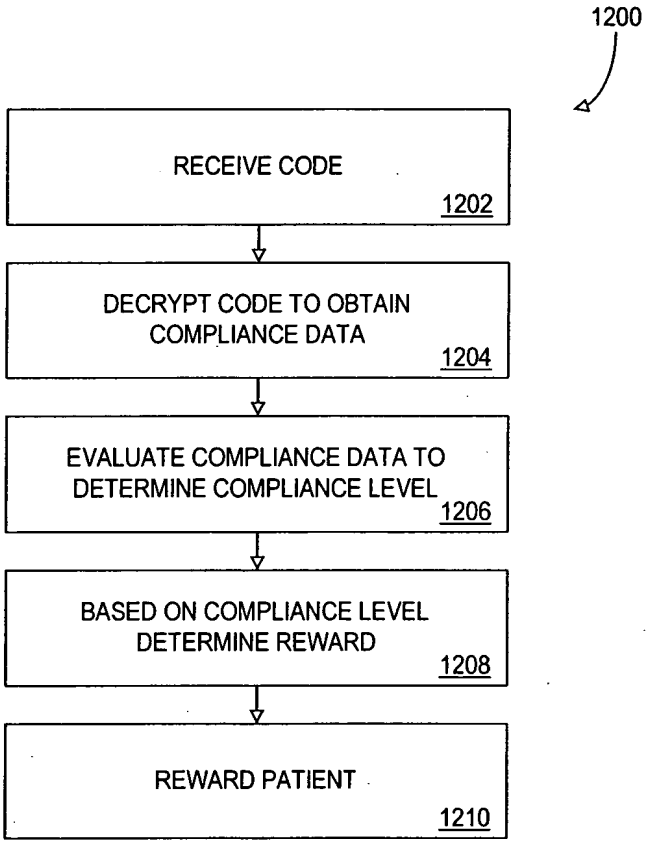
1200
RECEIVE CODE
1202
DECRYPT CODE TO OBTAIN COMPLIANCE DATA
1204
EVALUATE COMPLIANCE DATA TO DETERMINE COMPLIANCE LEVEL
1206
BASED ON COMPLIANCE LEVEL DETERMINE REWARD
1208
REWARD PATIENT
1210

FIG. 12

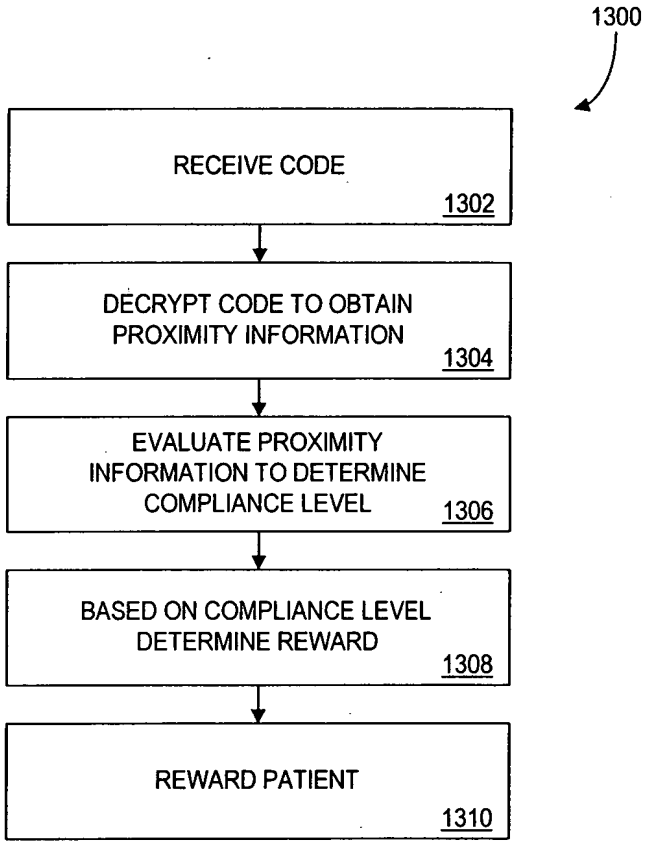
1300
RECEIVE CODE
1302
DECRYPT CODE TO OBTAIN PROXIMITY INFORMATION
1304
EVALUATE PROXIMITY INFORMATION TO DETERMINE COMPLIANCE LEVEL
1306
BASED ON COMPLIANCE LEVEL DETERMINE REWARD
1308
REWARD PATIENT
1310

FIG. 13